

Exhibit AB

Page 1

Specifications For C:\PASS DSP development\output board\16 channel D to
A card2.pcb
On 18-Feb-2001 at 23:19:35

Size Of board 19.634 x 9.922 sq in
Equivalent 14 pin components 1.57 sq in/14 pin component
Components on board 354

Layer	Route	Pads	Tracks	Fills	Arcs	Text
Top Layer		49	2142	0	0	1
Mid Layer 3		0	15831	0	0	0
Bottom Layer		49	38844	0	1767	2
Top Overlay		0	1539	2	326	719
Bottom Overlay		0	0	0	0	4
Top Paste		0	0	0	0	1
Bottom Paste		0	0	0	0	1
Top Solder Mask		0	0	2	0	1
Bottom Solder Mask		0	0	2	0	1
Internal Plane 1		0	1	0	0	0
Internal Plane 2		0	153	0	4	0
Internal Plane 4		0	17	0	0	0
Keep Out Layer		0	26	0	0	0
Mechanical Layer 1		0	24	0	0	0
Mechanical Layer 3		0	34	0	0	0
Mechanical Layer 4		0	338	0	69	50
Drill Drawing		0	49	0	1	23
Multi Layer		1672	0	0	0	0
Total		1770	58998	6	2167	803

Layer Pair	Vias
Top Layer - Bottom Layer	451
Total	451

Exhibit AB

Non-Plated Hole Size	Pads	Vias
Total	0	0

Page 1

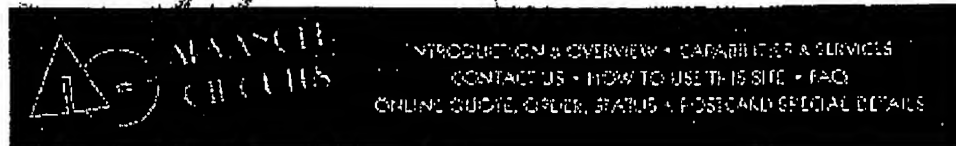
Plated Hole Size	Pads	Vias
0mil (0mm)	98	0
28mil (0.7112mm)	382	451
30mil (0.762mm)	26	0
32mil (0.8128mm)	1259	0
125mil (3.175mm)	3	0
140mil (3.556mm)	2	0
Total	1770	451

Top Layer Annular Ring Size	Count
-90mil (-2.286mm)	2

Advanced Circuits Quote

Page 1 of 2

D

**Quote Online (Step 1 of 4)**

www.4pcb.com Phone: 1-800-289-1724

LOW PRICE GUARANTEE Quote Date: 2/19/2001 Quote Number: 259322
 Part Number: 000-00100 Revision: A

To Preview Order, click on unit price

PROTOTYPE Price Matrix - unit price						
Qty	5-day	4-day	3-day	2-day	1-day	same-day
2	\$503.00	\$603.00	\$1,028.00	\$1,403.00	\$1,703.00	Call Us!
5	Call Us!	Call Us!	Call Us!	Call Us!	Call Us!	Call Us!
Prototype assumptions/specs: 4 Layers, 0.062 "FR4, Dimensions: 19.634" x 19.922", Plating: SMOBC, Cu Weight: 1 oz., Trace width/space: 0.008, Smallest hole size: 0.02", Gold Fingers:1, SMDs-top:0, SMDs-bottom: 0, SMD Pitch: 0", Sides to solder mask: 2 with LPI, Sides to legend: 1, CNC Rout points: 4, Tab Route: No, Scoring: No. Inspected to IPC-A-600F, Class 1.						
Prototype Tolerances: Drill +/- .005", rout +/- .010", mask +/- .006". All holes plated through.						
Tooling NRE = \$0 Test NRE = \$1,173.45						

To Preview Order, click on unit price

PRODUCTION Price Matrix - unit price								
Qty	4-week	2-week	1-week	4-day	3-day	2-day	1-day	same-day
5	\$270.64	\$311.24	\$433.02	\$568.34	\$730.73	\$947.24	\$1,353.20	Call Us!
25	\$184.24	\$211.88	\$294.78	\$386.90	\$497.45	\$644.84	\$921.20	Call Us!
100	\$168.04	\$193.25	\$268.86	\$352.88	\$453.71	\$588.14	\$840.20	Call Us!
Tooling NRE = \$259.00 Test NRE = \$1,173.45								

Page 2

http://www.4pcb.com/commerce/quote_code.asp

2/19/01

Main Identity

From: "Order Confirmation e-mail reply User" <service@4pcb.com>
To: <jmilsap@bminet.com>
Sent: Monday, March 12, 2001 1:23 PM
Subject: AC-Order-Confirmation-[73948]

Page 3

Thank you for your order!

Your Order Details :

Quantity : 10 pieces
Material thickness : 0.062"
Partnumber : PASS1
Rev :
Unit Price : 100.600
NRE : 0.000
Electrical Testing : 0
Shipment method : UPS-RED
Scheduled shipdate : MARCH 19, 2001
Your Payment method : CREDIT CARD
Total amount : \$200.00
Plus Shipping and Handling Charges

SHIP-TO:
P.A. Sound Systems
207 Canterbury Ct.

Cambridge WI 53523
USA

SOLD-TO:
P.A. Sound Systems
207 Canterbury Ct.
Cambridge WI 53523
USA

You may view your order status online at:

<http://www.4pcb.com>

Your Purchase Order Number: cc

Your AC Work Order Number: 73948
Your Internet Order Number: 52588

Your sales representative is:
Gus Owens 1-800-289-1724
<mailto:Gus@4pcb.com>

Advanced Circuits
21100 East 33rd Drive

3/15/01

593

Orders 1-800-344-4539
Fax 218-681-3380
www.digikey.com

Pack List # 1

Page 4

Digi-Key

CORPORATION

Page: 1

Box: 1

701 Brooks Ave. S., P.O. Box 677, Thief River Falls, MN 56701-0677

Sold To:
JEFF MILSAP
P A SMD SYST
207 CANTERBURY SYST
CAMBRIDGE WI 53523-0000

Sales Order 8602593	Invoice 10460093	Customer 1976022	Account 576036	Customer P.O.
Prev. Sales Order 0	Entered Date 24-MAR-2001	Operator AOFX	Printing Date 26-MAR-2001	Back Orders Accepts to 23-APR-2001

730

Ordered	Cancelled	Idx	Location	Item Number	Shipped	Description	Back Order	Unit Price US \$	Amount US \$
1	0	1	LV- 3720	EF1103-ND	✓	100UF/100VDC METAL POLY CAP	C15	.42000	.42
1	0	2	LV- 3770	EF1474-ND	✓	47UF/100VDC METAL POLY CAP	C25	.69000	.69
1	0	3	LK- 1048	CT9X103-ND	✓	POT 10K 5MM CERM SQ MT SIDE SW	1/R1	1.65000	1.65
5	0	4	LL- 2068	2.94KXK-ND	✓	2.94K OHM 1/4W 1% METAL FILM R	250R51	.10800	.54
5	0	5	LL- 2164	29.4XK-ND	✓	29.4 OHM 1/4W 1% METAL FILM RE	282	.10800	.54
5	0	6	LM- 9871	4.99KXK-ND	✓	4.99K OHM 1/4W 1% METAL FILM R	20R18	.10800	.54
10	0	7	LX- 2053	P5141-ND	✓	CAP 470UF 16V ALUM LYTIC RADIA	C9	.30100	3.01
2	0	8	LF- 2031	MM74HC138N-ND	✓	IC EXPANDABLE 3/8 DECODER 16 D	W6667	.66000	1.32
2	0	9	LE- 2154	MM74HC244N-ND	✓	IC TRI-ST OCTL LINE DRIVER 20D	W65	.80000	1.60
8	0	10	LS- 231	MM74HC32N-ND	✓	IC QUAD 2 IN OR GATE 14 DIP	W64-007	.48000	3.84
2	0	11	LE- 2130	MM74HC573N-ND	✓	IC OCTAL TRANS LATCH 20 DIP	W35	.84000	1.68
2	0	12	LF- 2245	DAC0800LCN-ND	✓	8 BIT D/A CONVERTER 16 DIP	W17	2.14000	4.28
1	0	13	LJ- 2140	A2102-ND	✓	D-SUB RECP 25 PIN RT ANGLE .31	W	3.42000	3.42
2	0	14	LQ- 2175	LM380N-ND	✓	2.5 WATT AUDIO PWR AMP 14-DIP	W9	1.58000	3.16
2	0	15	LD- 2042	LM741CN-ND	✓	HIGH PERFORM, OPERATIONAL AMP	W49	.56000	1.12
SHIPABLES: 15									
TOTAL INVOICED									27.81
** CHARGES SUBTOTAL **									27.81
TOTAL (EXCLUDING SHIPPING) CHARGED TO CREDIT CARD									27.81
									US \$
YOUR CREDITCARD WILL BE CHARGED ABOVE AMOUNT PLUS ACTUAL SHIPPING COSTS									
THE ORDER IS COMPLETE									
General - WEB ORDER ID: 770204									
ORDER PROCESSED BY A10L/SKB/1469									
These commodities, technology or software were exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.									
CERTIFICATE OF COMPLIANCE: The components included in the above shipment are in accordance with the requirements, specifications and/or drawings as applicable to this order. Technical specifications (chemical, physical, electrical, etc.), together with the results of any test performed by the manufacturer may be on file either at Digi-Key or in the plant of the manufacturer. No component sold by Digi-Key is approved on any military GDL or similar listing. This certification is valid only to the original customer and is not transferable. Contact Customer Service at 1-800-858-3616 if further information is required.									
Kim Gibert, Customer Service Assistant Manager									
ATTENTION!!									
IF STATIC SENSITIVE PARTS ARE RETURNED FOR ANY REASON, THEY MUST BE PACKAGED IN A STATIC SAFE MANNER.									

Claims for pricing errors, shortages, and defective product must be reported within 30 days of invoice date.

Contact Customer Service at 1-800-858-3616

DUNS No: 05 760 2120

FEI No: 41-1234968 YOU MUST REMIT SALES TAX (IF ANY) DIRECTLY TO YOUR STATE, EXCEPT MINNESOTA.

PAGE 36/80 * RCVD AT 1/27/2006 4:19:09 PM [Eastern Standard Time] * SVR:USPTO-EFXRF-6/29 * DNIS:2738300 * CSID:16082504874 * DURATION (mm-ss):28-32

*** P A C K I N G L I S T ***

Advanced Circuits
21100 East 33rd Drive
Aurora CO 80011
303-5766610
Tel: 303-5766610
Fax: 303-2891997

SHIPMENT-#: 60583
ORDER-NO: 77538
CUSTOMER-NO: 14557
SHIP-DATE: 05/12/2001

CUST-PO:cc

Page 5

SHIP-TO:P.A. Sound Systems
207 Canterbury Ct.
Campbridge WI 53523
USA

PARTNUMBER:dsp_brd

PARTNUMBERREV:

TERMS:CREDIT CARD
SHIP-VIA:UPS-GROUND

TRACKING-#:

ITEM-NUMBER	DESCRIPTION	QtyOrigOrd	QtyOpenOrd	QtyShipped	QtyBackOrd
102	Prototype 2-Layer	2	2	2	0

- NOTICE -

IF YOU HAVE ANY QUESTIONS CONCERNING THIS SHIPMENT, IT IS
IMPORTANT THAT YOU CALL ADVANCED CIRCUITS WITHIN 48 HOURS
PH: 1-800-289-1724

THANK YOU FOR YOUR ORDER

Order Information

Page 1 of 2

**1-800-344-4539**

Web ID: 903326 Access ID: 12695 Salesorder Status: Committed

Your order has been submitted.

Your Salesorder Number is: 8845672

Ship To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT. CAMBRIDGE, WI 53523 USA	Purchase Order:	-
		Salesorder #:	8845672
Bill To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT. CAMBRIDGE, WI 53523 USA	Customer #:	-
		Pay Method:	MasterCard
		Name on Card:	JEFFREY P MILSAP
		Ship Method:	USPS First Class Mail
Contact Info:	Email: JML.SAP@BMINET.COM Phone: 608-772-0402		

Page 6

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	2	LT1460ACN8-10-ND	IC PRECISION SERIES REF 8-DIP		0	5.50000	\$11.00
2	25	296-1621-5-ND	IC OCT D TRANSP LATCH 20-DIP		0	1.12520	\$28.13

<https://sales.digkey.com/scripts/sbs.dll>

5/31/01

Order Information

Page 1 of 2



1-800-344-4539

Web ID: 907372 Access ID: 21942 Salesorder Status: Committed

Your order has been submitted.

Your Salesorder Number is: 8853585

Ship To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA	Purchase Order:	-
		Salesorder #:	8853585
		Customer #:	-
Bill To:	JEFF MILSAP P.A. SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA	Pay Method:	MasterCard
		Name on Card:	JEFFREY P MILSAP
		Ship Method:	Federal Express Overnight A.M. Delivery
Contact Info:	Email: JMLMILSAP@BMINET.COM Phone: 608-772-0402		

Page 7

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	5	LT1460ACN8-10-ND	IC PRECISION SERIES REF 8-DIP		0	5.50000	\$27.50
2	25	296-2082-5-ND	QUAD 2-INPUT NOR GATE		0	0.31520	\$7.88

<https://sales.digkey.com/scripts/sbs.dll>

6/1/01

Order Information

Page 1 of 3



1-800-344-4539

Web ID: 949912 Access ID: 41101 Salesorder Status: Committed

Your order has been submitted.

Your Salesorder Number is: 8930838

Ship To:	JEFF MILSAP PA SMD SYST 207 CANTERBURY CT CAMBRIDGE, WI 53523-0000 USA		Purchase Order:	-
			Salesorder #:	8930838
			Customer #:	1976022
			Pay Method:	American Express
Bill To:	JEFF MILSAP PA SMD SYST 207 CANTERBURY CT CAMBRIDGE, WI 53523-0000 USA		Name on Card:	JEFFREY P MILSAP
	608-772-0402		Ship Method:	UPS Ground
Contact Info:		Email: JMILSAP@BMINET.COM Phone: 608-772-0402 Fax: 608-827-8600		

Page 8

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	100	BR1103-ND	.010UF/100VDC METAL POLY CAP		0	0.22250	\$22.25
2	1000	P4201-ND	CAP CERAMIC DISC .1UF 25V ZAV		0	0.08568	\$85.68

<https://sales.digikey.com/scripts/sbs.dll>

6/23/01

834

Orders 1-800-344-4539
Fax 218-681-3380
www.digikey.com

Pack List # 1

Digi-Key

CORPORATION

Page: 1
Box: 1

701 Brooks Ave. S., P.O. Box 677, Thief River Falls, MN 56701-0677

JEFF MILSAP
PA SMD SYST
207 CANTERBURY CT
CAMBRIDGE WI 53523-0000

Sales Order 8937834	Invoice 10867558	Customer 2047143	Account 576036	Customer P.O. VERBAL/JEFF
Prev. Sales Order 8930838	Entered Date 26-JUN-2001	Operator AOMVN	Printing Date 3-JUL-2001	Back Orders Accepts to 26-JUL-2001

802

Ordered	Cancelled	Qty	Location	Item Number	Shipped	Description	Back Order	Unit Price US \$	Amount US \$
81	0	1	LI- 721	P10178-ND	81	SPEAKER ROUND 77MM 25 OHM .63W		6.10400	494.42
SHIPABLES: 1									
TOTAL INVOICED									494.42
** CHARGES SUBTOTAL **									494.42
TOTAL (EXCLUDING SHIPPING) CHARGED TO CREDIT CARD									494.42
									US \$ \$
YOUR CREDITCARD WILL BE CHARGED ABOVE AMOUNT PLUS ACTUAL SHIPPING COSTS									
THE ORDER IS COMPLETE									
General - CONFIRMING NOT REQUIRED									
VERIFIED QUANTITY AND PRICING W/JEFF MILSAP									
These commodities, technology or software were exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.									
CERTIFICATE OF COMPLIANCE: The components included in the above shipment are in accordance with the requirements, specifications and/or drawings as applicable to this order. Technical specifications (chemical, physical, electrical, etc.), together with the results of any test performed by the manufacturer may be on file either at Digi-Key or in the plant of the manufacturer. No component sold by Digi-Key is approved on any military CPL or similar listing. This certification is valid only to the original customer and is not transferable. Contact Customer Service at 1-800-858-3616 if further information is required.									
<i>Kim Gilbert</i> Kim Gilbert, Customer Service Assistant Manager									

Page 9

Claims for pricing errors, shortages, and defective product must be reported within 30 days of invoice date.

Contact Customer Service at 1-800-858-3616

DUNS No: 05 760 2120

FBI No: 41-1234968 YOU MUST REMIT SALES TAX (IF ANY) DIRECTLY TO YOUR STATE, EXCEPT MINNESOTA.

Order Information

Page 1 of 2



1-800-344-4539

Page 10

Web ID: 1048679 Access ID: 20383 Salesorder Status: Committed

Your order has been submitted.
Your Salesorder Number is: 9122266

Ship To:	JEFF MILSAP P.A.SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA	Purchase Order:	-
		Salesorder #:	9122266
		Customer #:	-
Bill To:	JEFF MILSAP P.A.SOUND SYSTEMS 207 CANTERBURY CT CAMBRIDGE, WI 53523 USA 608-772-0402	Pay Method:	MasterCard
		Name on Card:	JEFFREY P MILSAP
		Ship Method:	UPS 2nd Day Air
Contact Info:	Email: JMILSAP@BMINET.COM Phone: 608-772-0402		

Index	Quantity	Part Number	Description	Customer Reference	Backorder Quantity	Unit Price (US\$)	Extended Price (US\$)
1	27	281-1462-ND	CONN TERM BLOCK 5.08MM 6POS PCB		0	2.61000	\$70.47
2	6	CHS26G-ND	CONN HDR 26 PIN GOLD VERT PCB		0	1.86000	\$11.16
3	6	CSR26T-ND	CONN SOCKET 26 PIN TIN W/STR REL		0	2.11000	\$12.66
4	6	C7MXT-2506M	CABLE D-SUB CMP25T/R011/X		6 Value Add	8.68000	\$52.08
<p>Fields marked unknown cannot be determined at this time.</p> <p>A \$5 handling charge is added to your order if the subtotal is less than \$25.</p> <p>6.5 percent sales tax is added to your order if the shipping address is in Minnesota.</p> <p>International orders (excluding Canada) will have a \$6.00 processing fee added to your order.</p> <p>All duties and taxes are the responsibility of the customer.</p> <p>These commodities, technology or software will be exported from the United States in accordance with the Export Administration regulations. Diversion contrary to U.S. law prohibited.</p>						Subtotal:	\$146.37
						Handling:	\$0.00
						Shipping:	unknown
						Sales Tax:	\$0.00
						Total:	unknown

Order Notes
n/a

[Ordering Home Page](#) [Digi-Key Home Page](#)

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Email: webmaster@digkey.com

<https://sales.digkey.com/scripts/sbs.dll>

8/16/01

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